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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/696,862	10/30/2003	Jingrong Cao	VPI/02-115 US	8080
	7590 04/16/200 RMACEUTICALS IN	EXAMINER		
130 WAVERLY	Y STREET	BALASUBRAMANIAN, VENKATARAMAN		
CAMBRIDGE, MA 02139-4242			ART UNIT	PAPER NUMBER
			1624	
			MAIL DATE	DELIVERY MODE
			04/16/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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	Application No.	Applicant(s)				
Office Action Summary	10/696,862	CAO ET AL.				
Office Action Summary	Examiner	Art Unit				
	/Venkataraman Balasubramanian/	1624				
The MAILING DATE of this communication app Period for Reply	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DARWING STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DAWNERS IN A STATE SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period value of the period for reply will, by statute any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin vill apply and will expire SIX (6) MONTHS from , cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 29 Ja	anuary 2008.					
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4)	wn from consideration. <u>54-57</u> is/are rejected.	cation.				
Application Papers						
9)☐ The specification is objected to by the Examine						
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex	=					
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some color None of: Certified copies of the priority documents have been received. Certified copies of the priority documents have been received in Application No Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s)						
1) Notice of References Cited (PTO-892)	4) ☐ Interview Summary Paper No(s)/Mail Da					
Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	5) Notice of Informal P					

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DETAILED ACTION

Applicants' response, which included amendment claims 1 and 54-57 filed on 1/29/2008, is made of record. Claims 1, 4, 5, 8-12, 14-20, 23-29, 31, 33-46 and 54-57 are pending. In view of applicants' response, all 112 rejections and 102 rejection made in the previous office action have been obviated. However, the following 103 rejection is maintained.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

The factual inquiries set forth in *Graham* v. *John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

- 1. Determining the scope and contents of the prior art.
- 2. Ascertaining the differences between the prior art and the claims at issue.
- 3. Resolving the level of ordinary skill in the pertinent art.
- 4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was

not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claims 1, 4, 5, 8-12, 14-20, 23-29, 31, 33-46 and 54-57 are rejected under 35 U.S.C. 103(a) as being unpatentable over Inaba et al., JP 2002053566.

Inaba et al., teaches several thiazole compounds of formula I as kinase inhibitors useful for treating various diseases including Alzheimer's disease and allergy, which includes se of instant compounds. See page 1, formula I and note with the given definition of various variable groups, the compounds taught include instant compounds. See entire document, especially Table shown in pages 23-99. Particularly see compound 51 and 80. Note there is no proviso in claim 54 to exclude these compounds.

Instant compounds permit the pyridine ring and the amide side chain to be at various available positions in the thiazole ring.

While said compound(s) doesn't anticipate the scope of instant claims in view of the proviso in claim 1, they are very closely related, being positional isomers of compounds i.e. 2-carbamido and 5-pyrido of instant vs. 2-carbamido and 4-pyrido in the pyrimidine ring of the reference. Similarly, the 4 or 5-carbamido and 2-pyrido of instant vs. 2-carbamido and 4-pyrido in the pyrimidine ring of the reference are also closely related. However, positional isomers are not deemed patentably distinct absent evidence of superior or unexpected properties. See In re Crounse, 150 USPQ 554; In re Norris 84 USPQ 458; In re Finely 81 USPQ 383 and 387; Ex parte Engelhardt, 208 USPQ 343; Ex parte Henkel, 130 USPQ 474, regarding positional isomers.

Thus it would have been obvious to one skilled in the art at the time of the invention was made to expect instant compounds to possess the utility taught by the applied art in view of the close structural similarity outlined above.

This rejection is same as made in the previous office action. Applicants' traversal is not persuasive. As noted in the previous office action, Inaba et al., anticipated the method of use claims 54-57 before the current amendment.

Applicants argued that that Inaba did not teach the specific diseases of these claims but taught use of the compounds as sedative. This is not correct. See English Machine Translation of Inaba provided herewith. Inaba indeed taught the uses embraced in the instant claims 54-57.

Furthermore, applicants have not shown any unexpected or superior results with the instant genus of compounds. Inaba et al., clearly teaches instant original genus and the compounds of Inaba include positional isomers of instant genus. Thus, one trained in the art would be motivated to make compounds of Inaba including the positional isomers and expect those compounds to have use taught therein. See In re KSR International Co. v. Teleflex Inc., 127 S.Ct. 1727 (2007), wherein the court stated that

[w]hen there is a design need or market pressure to solve a problem and there are a finite number of identified, predictable solutions, a person of ordinary skill has good reason to pursue the known options within his or her technical grasp. If this leads to the anticipated success, it is likely the product not of innovation but of ordinary skill and common sense.

Such is the case with instant claims. Hence, this rejection is proper and is maintained.

Information Disclosure Statement

Applicants have excluded several compounds of the instant genus by various provisos in claim 1. But there is no record of these references. Applicants are urged to provide these references for record.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication from the examiner should be addressed to Venkataraman Balasubramanian (Bala) whose telephone number is (571) 272-0662. The examiner can normally be reached on Monday through Thursday from 8.00 AM to 6.00 PM. The Supervisory Patent Examiner (SPE) of the art unit 1624 is James O. Wilson, whose telephone number is 571-272-0661. The fax phone number for

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the organization where this application or proceeding is assigned (571) 273-8300. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571) 272-1600.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAG. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-2 17-9197 (toll-free).

/Venkataraman Balasubramanian/

Primary Examiner, Art Unit 1624